# Meade® Series 4000™ Eyepieces

## The finest in premium telescope eyepieces.

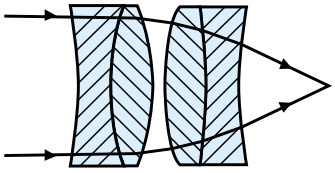
The world standard in telescope oculars, Meade Series 4000 eyepieces yield the widest possible fields of view, consistent with pinpoint edge-of-field sharpness and long eye relief—and yet with extremely low astigmatism, spherical aberration, and off-axis color. Incorporating multi-coated optics for optimum image contrast, these sophisticated 4- to 8-element designs permit levels of optical performance generally impossible to achieve with eyepieces of fewer elements.

*"Your Series 4000 eyepieces are superb, with the Super Wide Angle 32mm and Ultra Wide Angle 14mm (two incredible eyepieces) being particular favorites of mine. The Super Plössls offer an extraordinary range of magnifications, with pinpoint resolution and high contrast to the extreme field edge. You might be interested to know that seven of my visual comet discoveries were made using Meade eyepieces. Over the past few years I have switched nearly every eyepiece in my observing set to Meade Series 4000 Super Plössls, Super Wides, and Ultra Wides."*

**— David Levy, Tucson, AZ.**

All Series 4000 eyepieces include a soft rubber eyeguard, custom fitted to each eyepiece with a bayonet mount. The eyeguards fold down for eyeglass wearers, and in fact the folded eyeguard shields eyeglasses from coming into contact with the metal eyepiece housings. Rubber grips are provided on all but the three shortest focal length Super Plössl eyepieces.

**Super Plössls:** Designed to utilize the very latest in optical glass types, Meade 4-element Super Plössls are excellent general-purpose eyepieces. For observing hairline lunar and planetary detail, splitting close double stars, or for resolving faint nebulosity in deep-space, Meade Super Plössls optimize the performance of any telescope type, whether f/10 Schmidt-Cassegrain, f/16 refractor, or f/4 reflector. They also operate well in conjunction with the air-spaced design of the Meade #140 2x Apochromatic Barlow *(p. 96)*. All focal lengths through 32mm are parfocal. The Super Plössl 56mm eyepiece with 2" O.D. barrel yields 36X and an actual field of view of 1.4° on an 8" f/10 Schmidt-Cassegrain telescope.

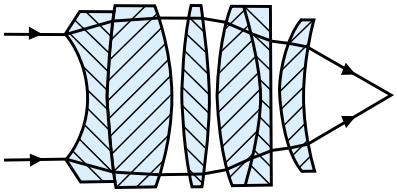


**Super Wide Angles:** These 6-element eyepieces, with their 67° fields, offer exquisite wide-angle images at low-to-medium powers, ideal for star fields, galaxies, and other deep-space phenomena. Focal lengths with 1.25" barrels

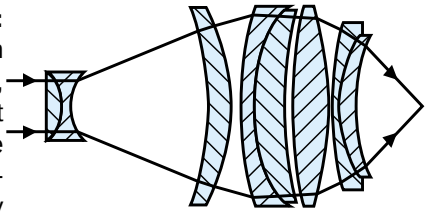
**Ultra Wide Angle**

## Meade Series 4000 Eyepieces

| **Super Plössl (4-elements)** | APPARENT FIELD | BARREL DIA. | PARFOCAL |
|---|---|---|---|
| 6.4mm | 52° | 1.25" | Yes |
| 9.7mm | 52° | 1.25" | Yes |
| 12.4mm | 52° | 1.25" | Yes |
| 15mm | 52° | 1.25" | Yes |
| 20mm | 52° | 1.25" | Yes |
| 26mm | 52° | 1.25" | Yes |
| 32mm | 52° | 1.25" | Yes |
| 40mm | 44° | 1.25" | No |
| 56mm | 52° | 2" | No |
| **Super Wide Angle (6-elements)** | | | |
| 13.8mm | 67° | 1.25" | Yes |
| 18mm | 67° | 1.25" | Yes |
| 24.5mm | 67° | 1.25" | Yes |
| 32mm | 67° | 2" | No |
| 40mm | 67° | 2" | No |
| **Ultra Wide Angle (8-elements)** | | | |
| 4.7mm | 84° | 1.25" | Yes |
| 6.7mm | 84° | 1.25" | Yes |
| 8.8mm | 84° | 1.25" & 2" | Yes |
| 14mm | 84° | 1.25" & 2" | No |



yield extremely high-resolution, high-power lunar and planetary images when combined with the #140 2x Barlow Lens *(p. 96)*. SWA eyepieces are a perfect match to Meade ETX-90AT, ETX-105AT, and ETX--125AT telescopes *(p. 6);* used with the ETX-90AT, the Super Wide 18mm eyepiece, for example, yields 69X and an actual field of almost 1°.



**Ultra Wide Angles:** The ultimate in modern eyepieces, Meade 8-element Ultra Wide Angle eyepieces permit extreme image fidelity and sharpness over an amazing 84° apparent field. On an 8" f/10 Schmidt-Cassegrain telescope, for example, the Ultra Wide Angle 14mm eyepiece yields 143X and an actual field of view of 0.6°; used with a 10" f/4.5 Newtonian reflector, the same eyepiece results in an actual field of more than 1° at 82X. For moderate-to-high-power applications Meade Ultra Wide Angle oculars provide an uncommon observing experience. A magnificent optical match with Maksutovs, Schmidt-

**Each Series 4000 Super Plössl, Super Wide Angle, and Ultra Wide Angle eyepiece** is shipped in a dust-proof, threaded poly bottle for secure long-term storage.